

Applicant : Kevin R. Orton
Appl. No. : 09/666,207
Examiner : Leslie R. Deak
Docket No. : 704484.4014

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (currently amended) A container ~~adapted to hold~~ for holding a liquid or fluid substance, the container comprising an undivided, substantially impermeable reservoir within the container, at least two electrically conductive members extending into the reservoir, said electrically conductive members not contacting one another within the reservoir, the electrically conductive members being in electrical communication with respective contact elements disposed outside of said reservoir and a sealing portion cooperating with the outside surface of the container to enclose the reservoir such that any such substance is sealed therein, wherein the substantially impermeable reservoir is substantially impermeable to the liquid or fluid substance, regardless of whether the liquid or fluid substance is in an ionic or a non-ionic form, and wherein the electrically conductive members allow an electric current to be passed through the liquid or fluid substance to enhance a therapeutic effectiveness of the liquid or fluid substance.

2. (original) The container of Claim 1, wherein the container is at least partially filled with an injectable grade substance.

3. (original) The container of Claim 1, wherein the sealing portion is a lid that is fitted with a soft pierceable member adapted to facilitate transfer of fluid material out of the container and into a hypodermic needle, in a contamination resistant manner.

4. (withdrawn) The container of Claim 1 further comprising a leur-type fitting.

5. (original) The container of Claim 1, wherein the sealing portion is adapted to reseal after penetration by needle.

6. (original) The container of Claim 1, wherein the electrodes are deposited on an inner surface of the at least one wall.

7. (original) The container of Claim 1, wherein the electrodes are in direct contact with an inner surface of the at least one wall.

8. (currently presented) A method of preparing an electrically-activated injectable grade substance, the method comprising providing a container with an undivided, substantially impermeable reservoir and at least one electrode extending into the container, at least partially filling the reservoir with an injectable grade substance, sealing the electrode and the substance in

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the reservoir such that the substance is sealed therein, applying an electrical signal to a portion of the electrode in communication with an outer surface of the container, wherein the substantially impermeable reservoir is substantially impermeable to the liquid or fluid substance, regardless of whether the liquid or fluid substance is in an ionic or a non-ionic form, and wherein the at least one electrode allows an electric current to be passed through the liquid or fluid substance to enhance a therapeutic effectiveness of the liquid or fluid substance.

9. (original) The method of Claim 8, where at least two electrodes extend into the container, with current passing between the two electrodes.

10. (previously presented) The container of Claim 8 further comprising removing at least a portion of the substance from the container with an applicator after the electrical signal has been applied to the electrode.

11. (previously presented) The container of Claim 10 further comprising injecting into a patient at least a portion of the substance that was removed from the container using the applicator.

12. (withdrawn) A flexible container adapted to hold a fluid, the container comprising a wall that at least partially defines a reservoir, at least two electrically conductive electrodes being disposed at least partially in the reservoir, a gap being defined between the electrodes and the electrodes each having a portion exposed outside of the container when the container is closed.

13. (withdrawn) The container of Claim 12, wherein the reservoir is at least partially filled with an injectable grade substance.

14. (withdrawn) The container of Claim 12 further comprising a seal line at which the container is sealed shut to enclose the reservoir.

15. (withdrawn) The container of Claim 14, wherein the electrodes extend through the seal line such that the exposed portion of the electrodes is on one side of the seal line and the reservoir is one of the other side of a seal line.

16. (withdrawn) The container of Claim 12 further comprising a hanging mechanism.

17. (withdrawn) The container of Claim 12 further comprising an access port.

18. (withdrawn) The container of Claim 17, wherein the access port is disposed within a fitting.

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19. (withdrawn) The container of Claim 18, wherein the fitting is positioned on a lower portion of the container and the container further comprises a hanging mechanism disposed higher than the fitting.

20. (withdrawn) The container of Claim 12, wherein the container is a bag and the bag is adapted for dispensing of intravenous fluids.

21. (withdrawn) The container of Claim 20, wherein the container comprises a fitting through which fluid can pass out of the bag and into an injection device.

22. (currently amended) A container ~~adapted to hold~~ for holding a liquid or fluid substance, the container comprising an undivided reservoir within the container, at least two elongated electrically conductive members extending into the reservoir, said electrically conductive members not contacting one another within the reservoir and a significant portion of the length of at least one of the electrically conductive members attached to a portion of the inside of the container, the electrically conductive members being in electrical communication with respective contact elements disposed outside of said reservoir and a sealing portion cooperating with the outside surface of the container to enclose the reservoir, wherein the electrically conductive members allow an electric current to be passed through the liquid or fluid substance to enhance a therapeutic effectiveness of the liquid or fluid substance.

23. (previously presented) The container of Claim 22, wherein the electrically conductive members are attached to an outside portion of the container.

24. (previously presented) The container of Claim 22, wherein any portion of the electrically conductive members located within the container is completely attached to the inside of the container.

25. (previously presented) The container of Claim 22, wherein the electrically conductive members are flat and rectangular shaped.

26. (previously presented) The container of Claim 22, wherein the container is a sealed intravenous type bag.

27. (currently amended) A method of preparing an electrically-activated injectable grade substance, the method comprising providing a container with an undivided reservoir and at least one electrode extending into the container wherein the portion of the electrode extending into the container is completely attached to an inner surface of the container, at least partially

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filling the reservoir with an injectable grade substance, sealing the electrode and the substance in the reservoir and applying an electrical signal to a portion of the electrode in communication with an outer surface of the container, wherein the electrode allows an electric current to be passed through the liquid or fluid substance to enhance a therapeutic effectiveness of the liquid or fluid substance.

28. (previously presented) The method of claim 25, where at least two electrodes extend into the container, with current passing between the two electrodes.

29. (new) A method for preparation and delivery of a healthcare medicament involving an electrically activated substance, wherein said substance is placed in a container, said container comprising a housing, a seal, a reservoir area, at least one electrode portion in the interior of the housing, an electrical connection on the outside of the container in electrical communication at least one electrode on the inside of the container, wherein the container is filled with a sterile fluid at one location, then transported to another site of use where an electrical signal is then applied to the fluid, and the fluid is then administered.

30. (new) A method of preparation and delivery of a healthcare medicament as in claim 29, wherein two or more electrodes are fitted to the container.

31 (new) A method of preparation and delivery of a healthcare medicament as in claim 29, wherein two or more electrodes are fitted to the container and the position of the electrodes facilitates a current flow between the electrodes and the fluid when the fluid is in the container.

32. (new) A method of preparation and delivery of a healthcare medicament as in claim 29, wherein the site of use is in a different location from the site of filling.

33. (new) A method of preparation and delivery of a healthcare medicament involving an electrically activated substance, wherein said substance is placed in a container, said container comprising a housing, a seal, a reservoir area, at least one electrode portion in the interior of the housing, an electrical connection on the outside of the container in electrical communication at least one electrode on the inside of the container, wherein the container is filled with a sterile fluid at one location, in a generally automated manner, then transported to another site of use where an electrical signal is then applied to the fluid, and the fluid is then administered.

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34. (new) A method of preparation and delivery of a healthcare medicament as in claim 33, wherein two or more electrodes are fitted to the container.

35. (new) A method of preparation and delivery of a healthcare medicament as in claim 33, wherein two or more electrodes are fitted to the container and the position of the electrodes facilitates a current flow between the electrodes and the fluid when the fluid is in the container.

36. (new) A method of preparation and delivery of a healthcare medicament as in claim 33, wherein the site of use is in a different location from the site of filling.

37. (new) A method of preparation and delivery of a healthcare medicament involving an electrically activated substance, wherein said substance is placed in a container, said container comprising a housing, a seal, a reservoir area, at least one electrode portion in the interior of the housing, an electrical connection on the outside of the container in electrical communication at least one electrode on the inside of the container, wherein the container is filled with a sterile fluid at one location, in a generally automated manner, then transported to another site of use where an electrical signal is then applied to the fluid, and the fluid is then administered sub-dermally.

38 (new) A method of preparation and delivery of a healthcare medicament as in claim 37, wherein two or more electrodes are fitted to the container.

39. (new) A method of preparation and delivery of a healthcare medicament as in claim 37, wherein two or more electrodes are fitted to the container and the position of the electrodes facilitates a current flow between the electrodes and the fluid when the fluid is in the container.

40 (new) A method of preparation and delivery of a healthcare medicament as in claim 37, wherein the site of use is in a different location from the site of filling.